

Fig. 1

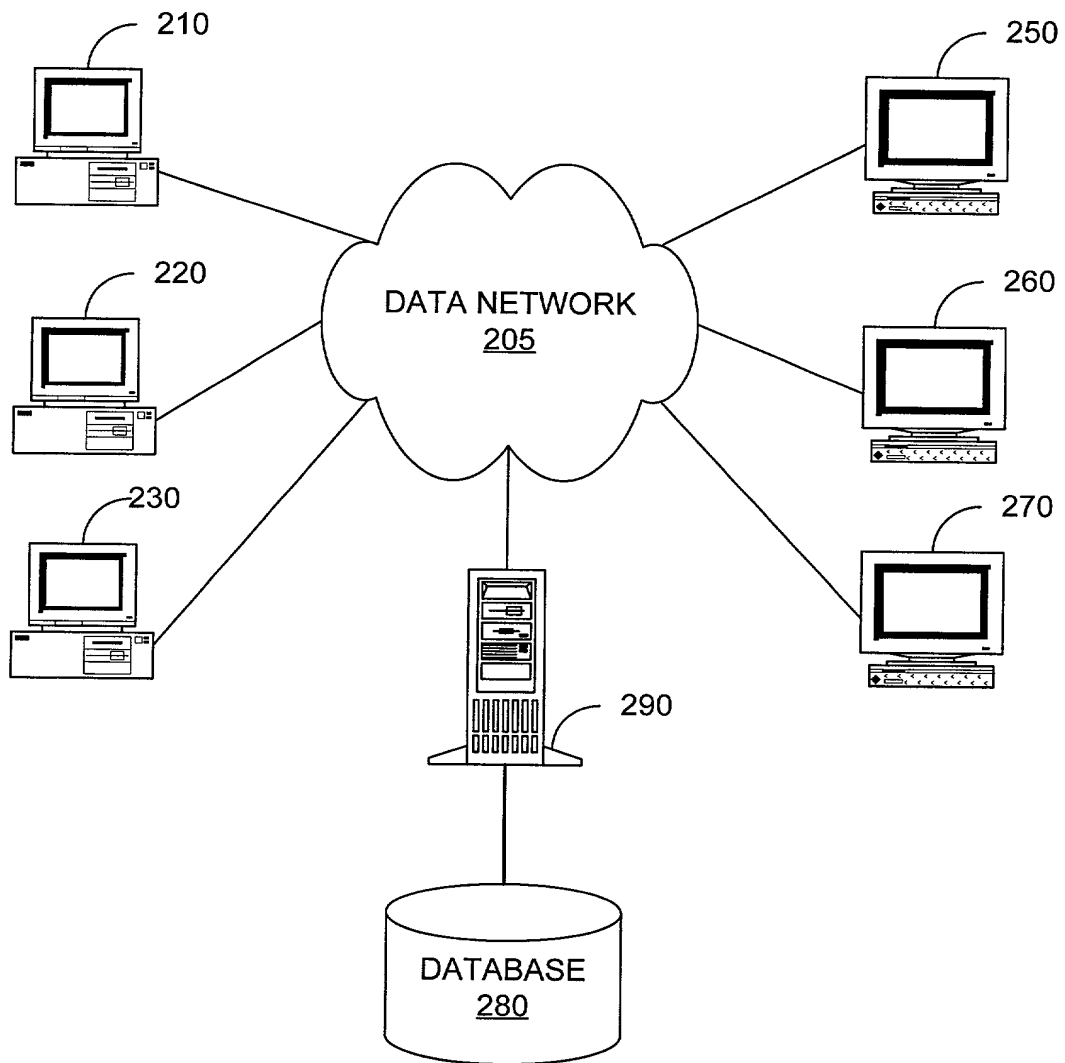


Fig. 2

Offer ID	304
Product Specification	306
Quantity Specification	308
Pool Specification (produces Pool ID)	310
Price Specification	312

302

Straddle ID		324		
Pool ID		326		
Locked Quantity		328		
Unlocked (available) Quantity		330		
Fragment List		332		
Fragment	Opposite Offer ID	Lock Status	Lock Price	Quantity
First	Null	Not Locked	Null/reserve price	Qty A
Second	Offer ID _B	Locked	Lock Price _B	Qty B
Third	Offer ID _C	Do not relock	Lock Price _C	Qty C
○	○	○	○	○
○	○	○	○	○
○	○	○	○	○
Last	Offer ID _Z	Locked	Lock Price _Z	Qty Z

322

Fig. 3

415	ATTRIBUTE NAME	VALUE	420
	COPIES PER MINUTE	> 22	
	COLLATOR SIZE	= 20 SHEETS	430

410

445	ATTRIBUTE NAME	VALUE	450
	BRAND	KODAK	
	MODEL	DC280 ZOOM	460

440

475	ATTRIBUTE NAME	VALUE	480
	UPC	4177893370	

470

Fig. 4

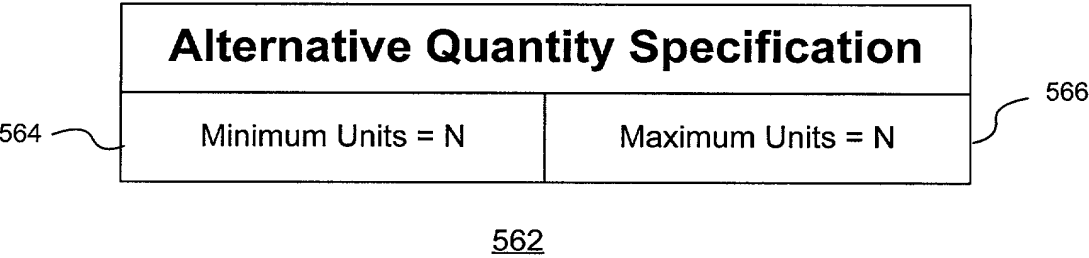
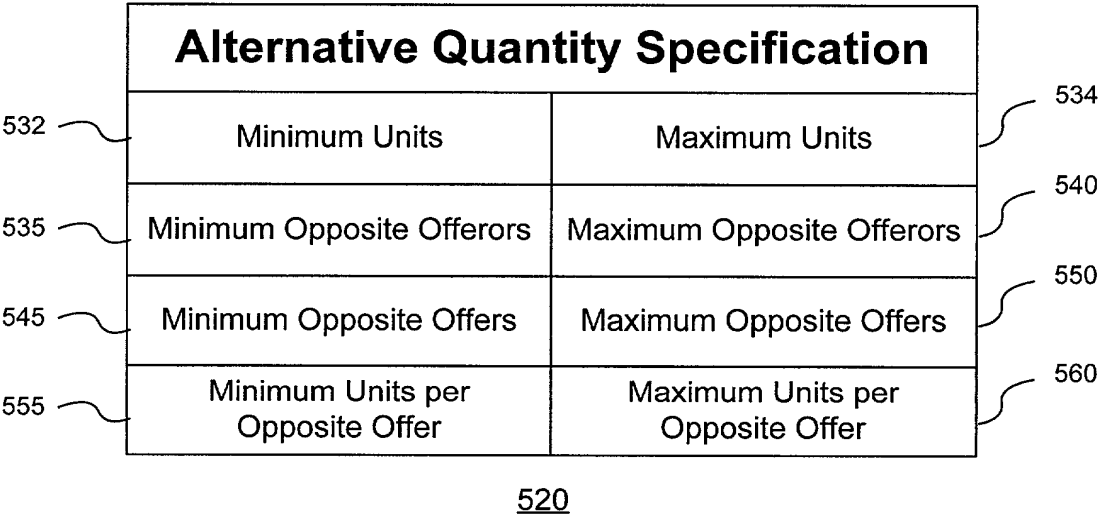
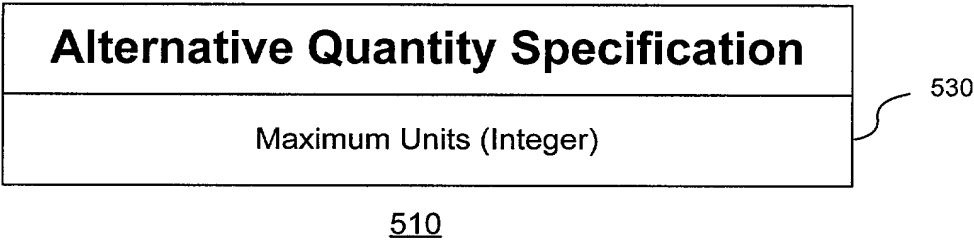


Fig. 5

Pool ID	620
Close Event (time event, lock event, external event, etc.)	630
Offer Restrictions (product attributes, quantities, buyer/seller attributes, etc.)	640

Fig. 6

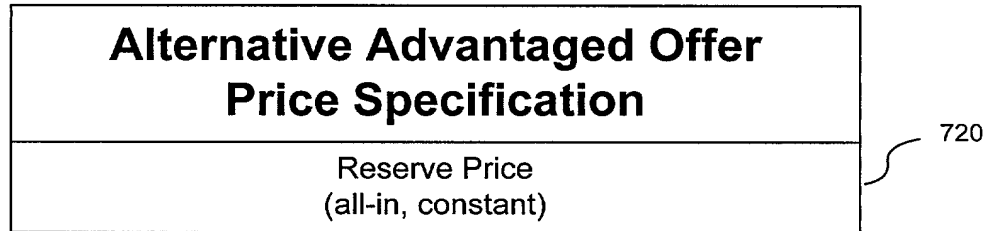
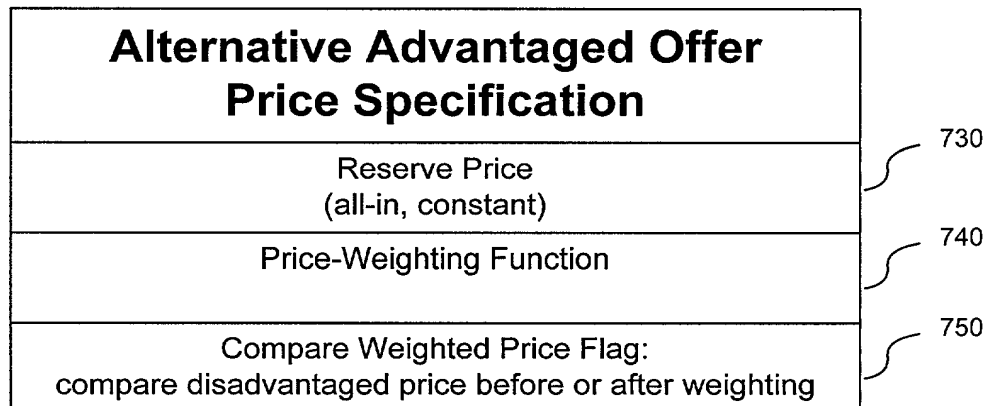
705710

Fig. 7

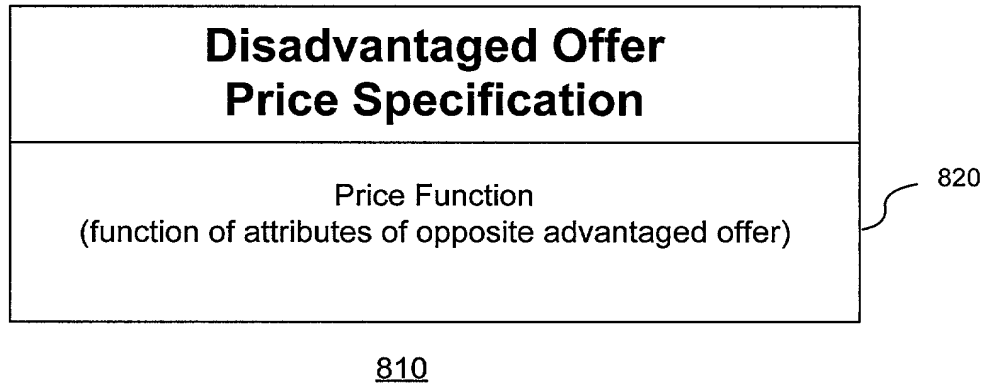


Fig. 8



Fig. 9

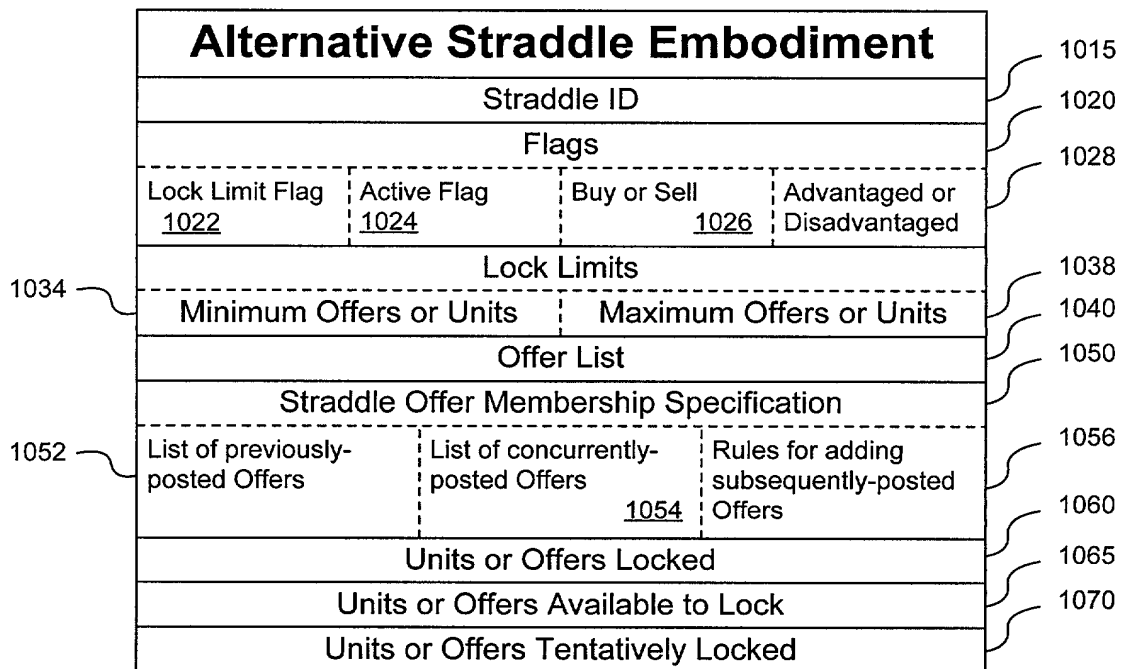
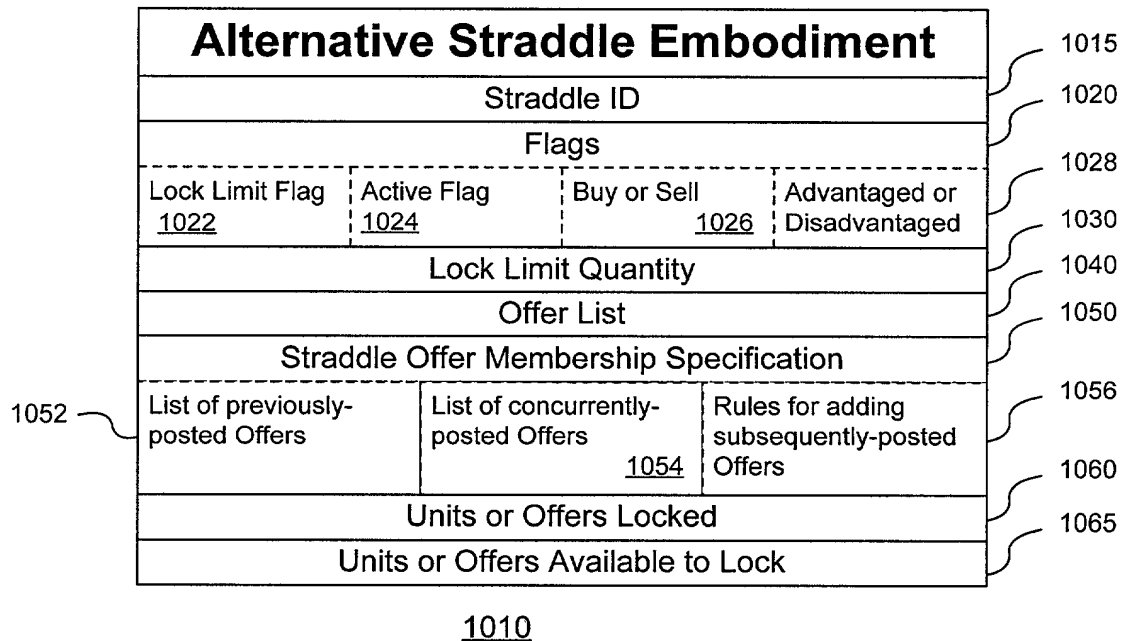


Fig. 10

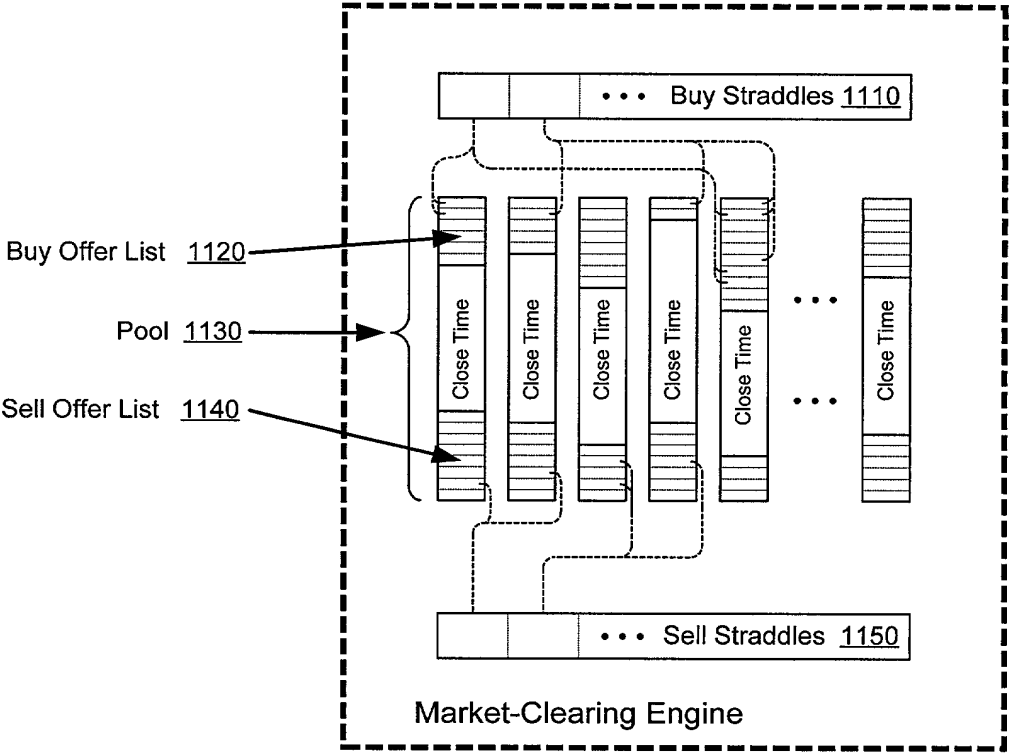


Fig. 11

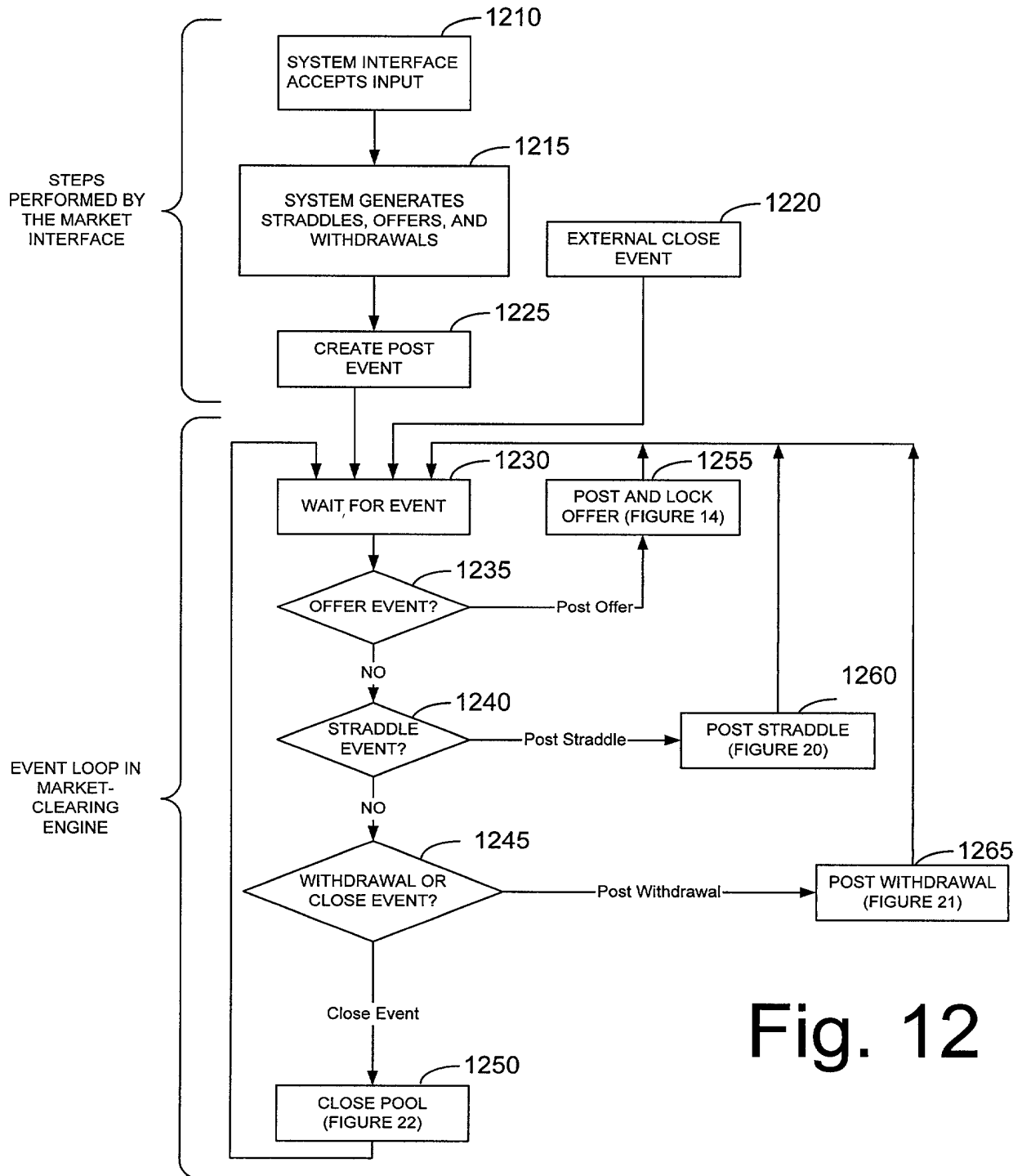


Fig. 12

FIG. 13 is a block diagram of a system architecture for a marketplace. The system includes a cloud of BUYERS & SELLERS (OFFERORS) 1302, a MARKETPLACE INTERFACE 1304, a MARKET-CLEARING ENGINE 1306, an ADMINISTRATIVE INTERFACE 1310, and a cloud of MARKETPLACE OPERATOR(S) 1312. The MARKETPLACE INTERFACE 1304 is connected to the BUYERS & SELLERS (OFFERORS) 1302 and the MARKET-CLEARING ENGINE 1306. The ADMINISTRATIVE INTERFACE 1310 is connected to the MARKETPLACE INTERFACE 1304 and the MARKETPLACE OPERATOR(S) 1312. The MARKETPLACE INTERFACE 1304 also receives Product Taxonomy, Pool Criteria, Authorizations, and other data and control information 1308 from the ADMINISTRATIVE INTERFACE 1310.

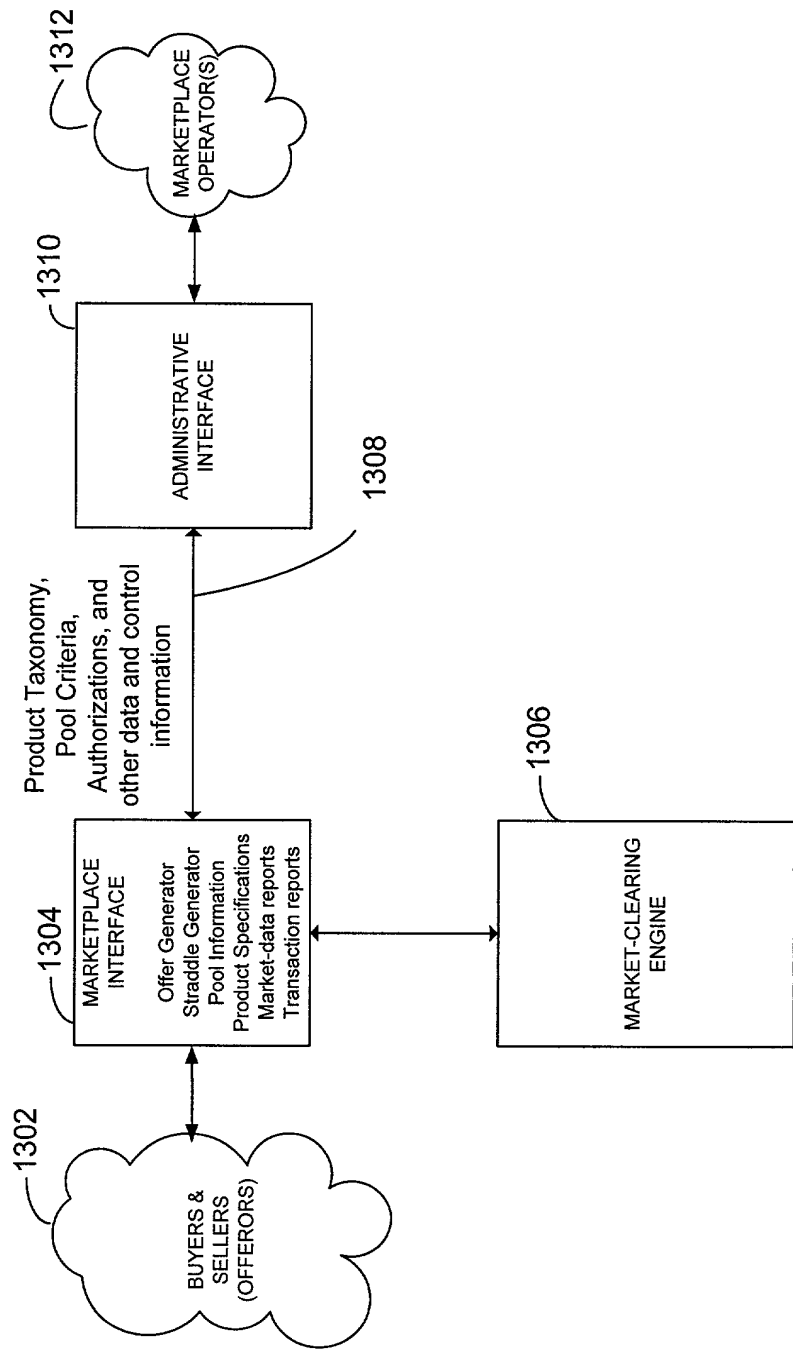


Fig. 13

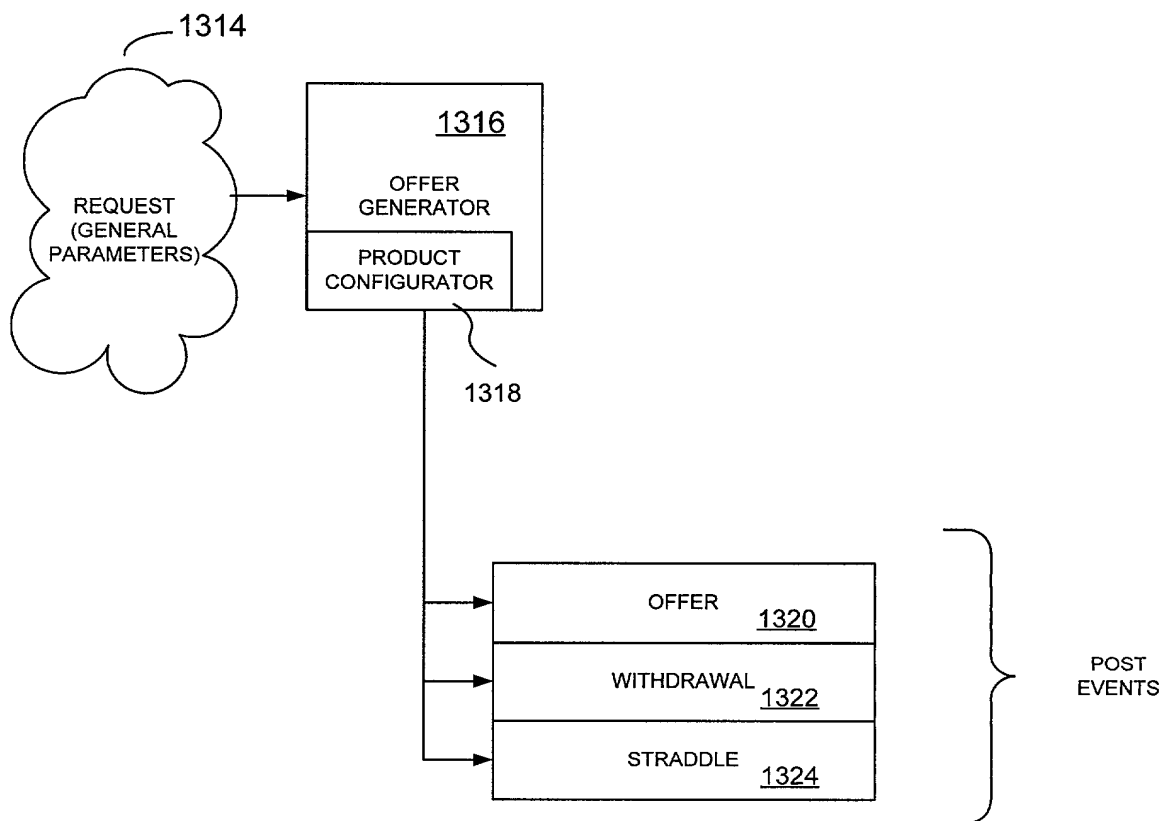


Fig. 13A

Price Schedule

1331	Total Qty Transacted	Price	1334
	1 to i	\$A	1335
1332	i+1 to j	\$B (more favorable than \$A)	1336
1333	j+1 to k	\$C (more favorable than \$B)	

1330

Price Schedule Expressed as Three Advantaged Offers Posted in Order

Posting
Order

1

	Advantaged Offer	<u>1348</u>
1342	Reserve Price = \$A	Qty = i

2

	Advantaged Offer	<u>1352</u>
1344	Reserve Price = \$B	Qty = j-i

3

	Advantaged Offer	<u>1356</u>
1346	Reserve Price = \$C	Qty = k-j

1340

Fig. 13B

Price Schedule Expressed as a Straddle of Min-Max-Quantity Offers

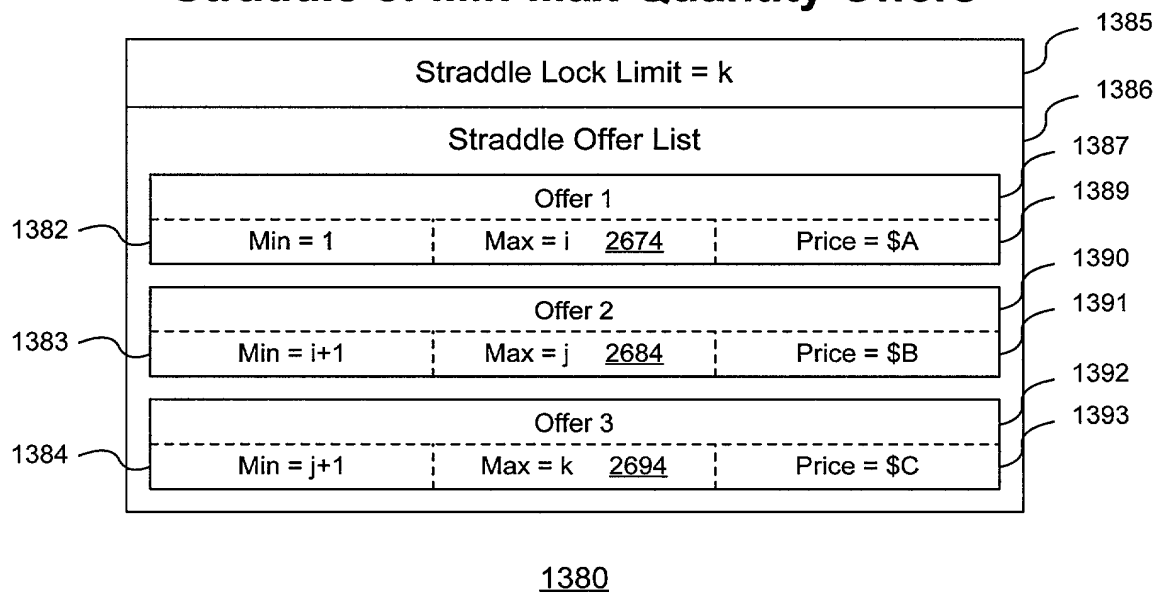


Fig. 13C

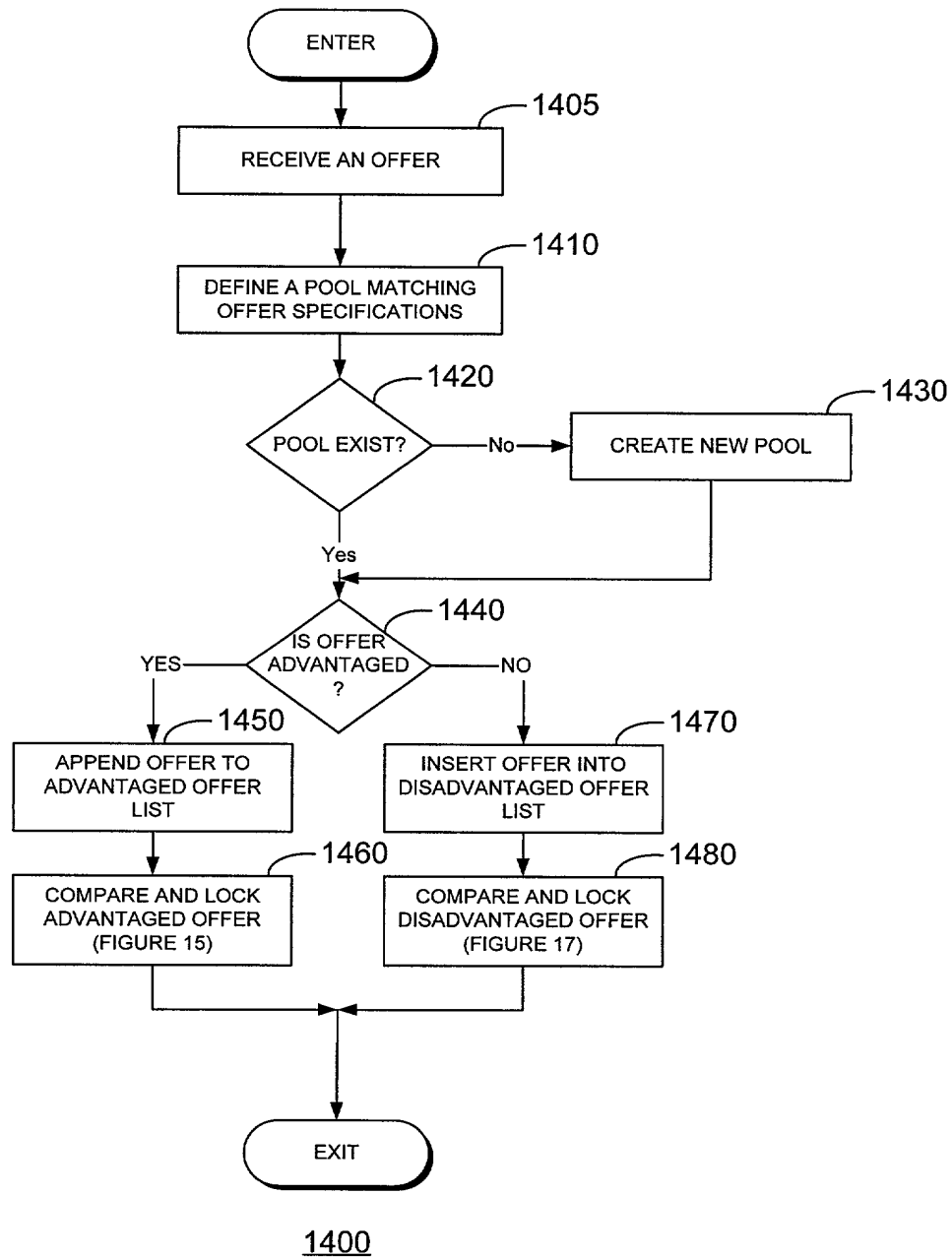
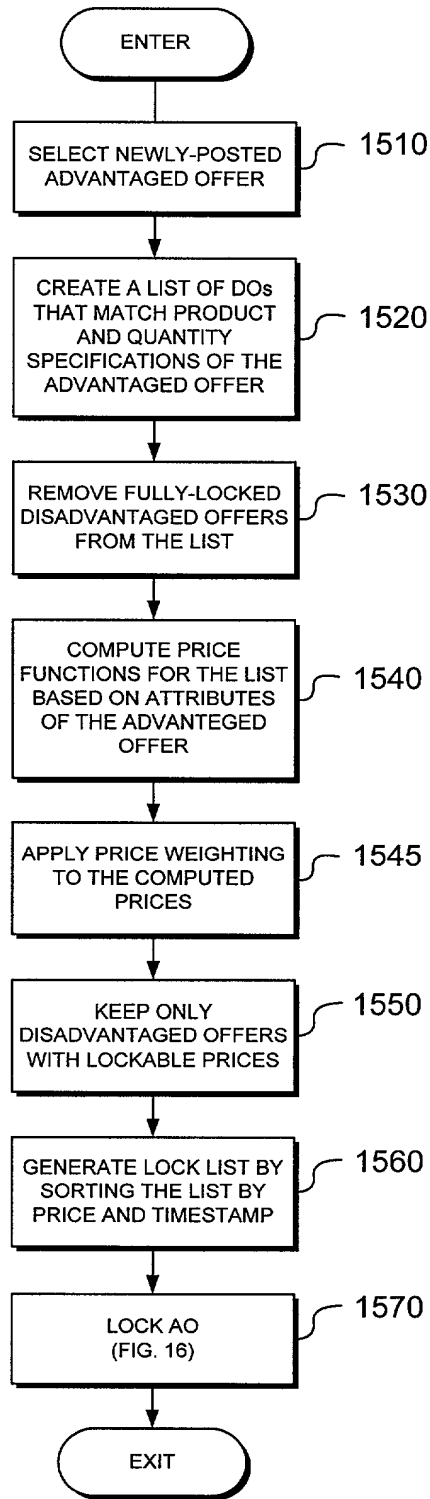


Fig. 14



1500

Fig. 15

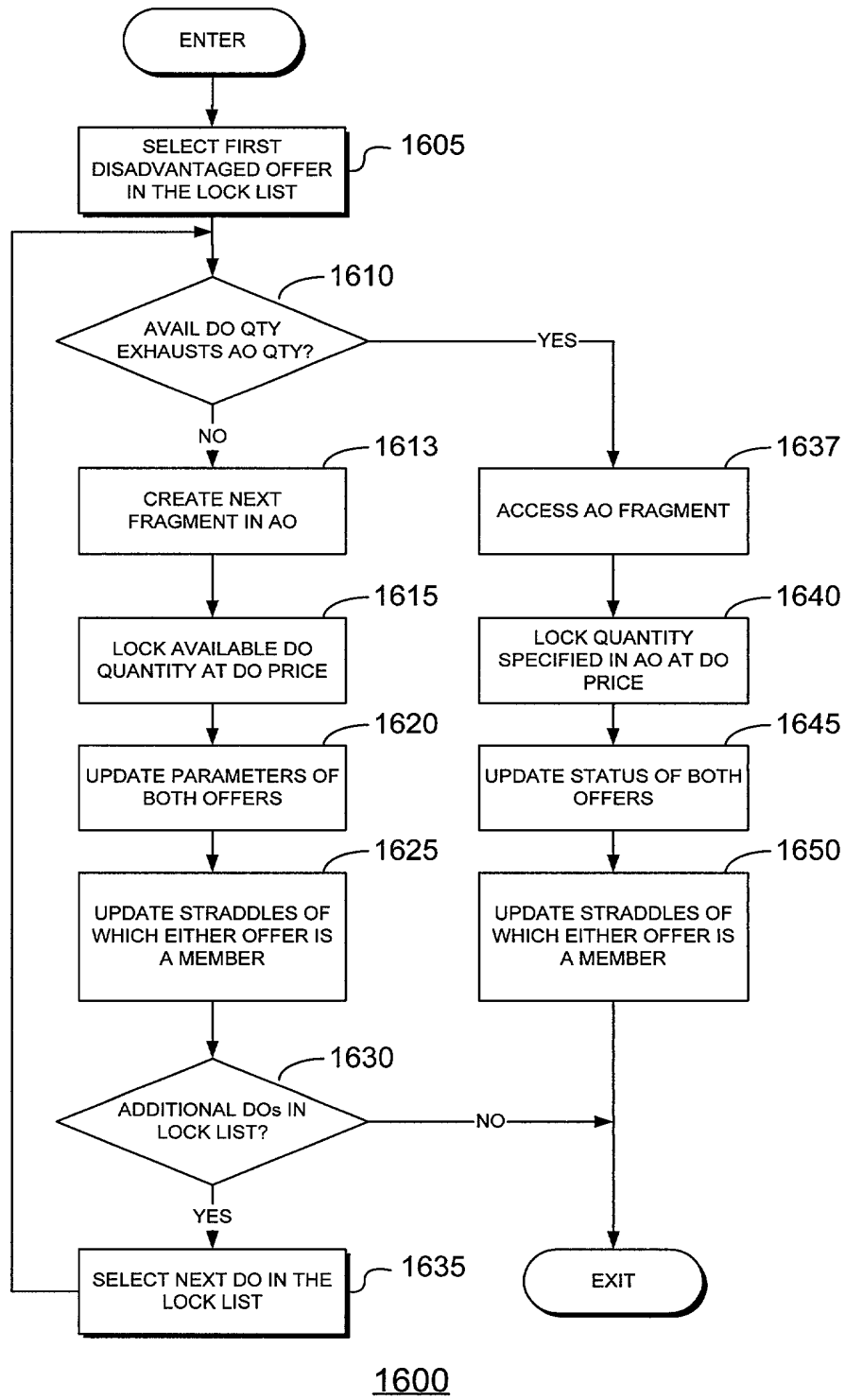
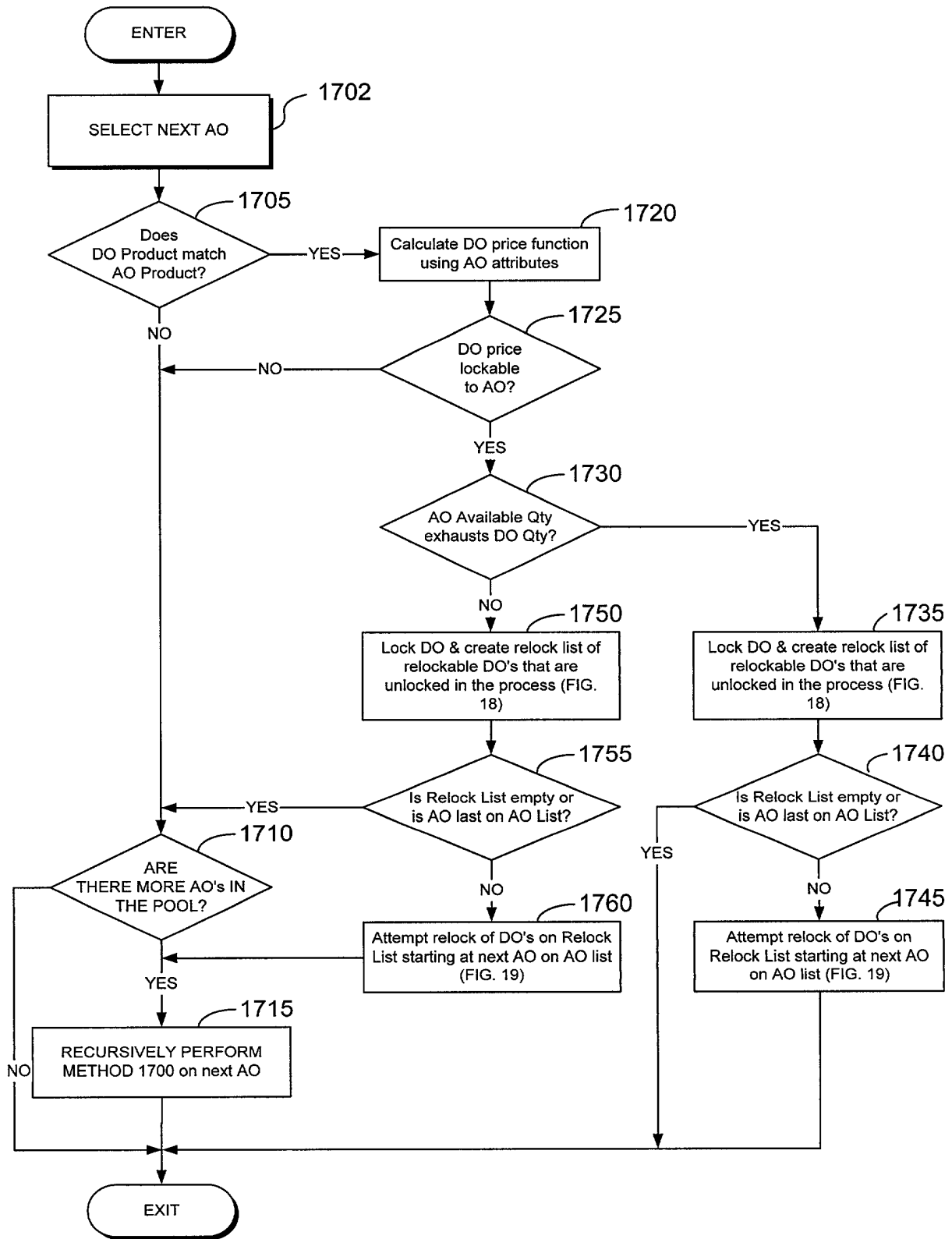


Fig. 16



1700

Fig. 17

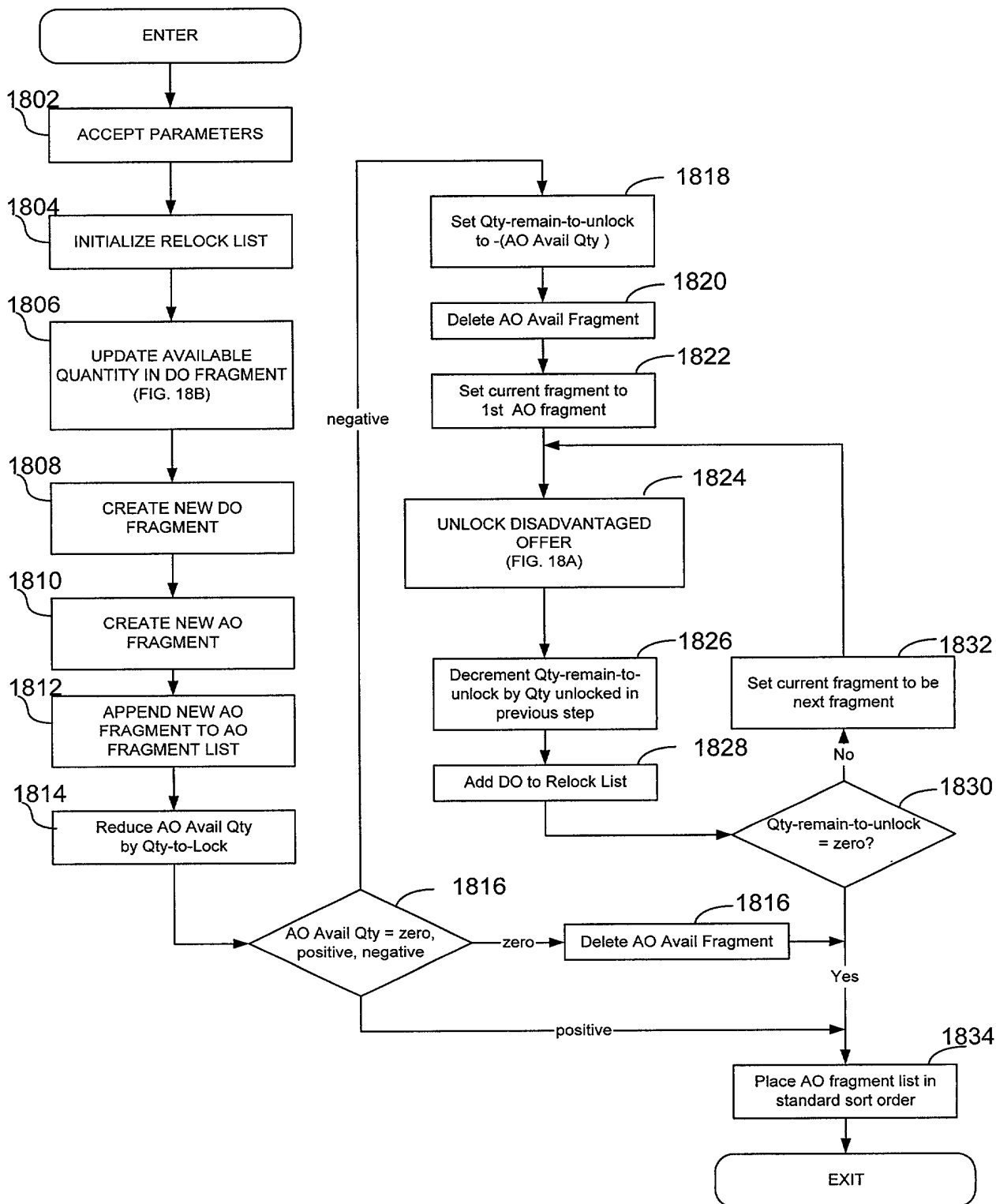


Fig. 18

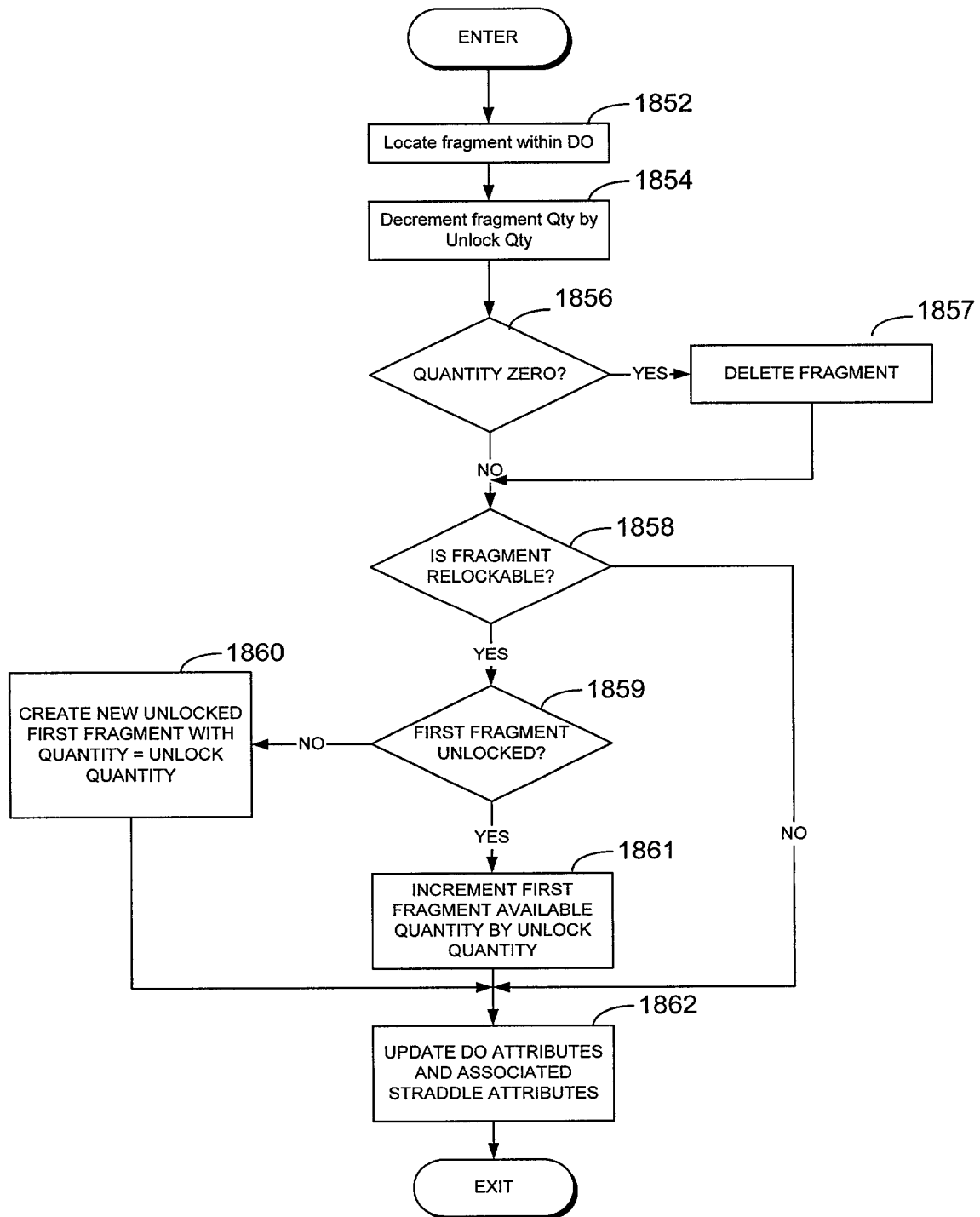


Fig. 18A

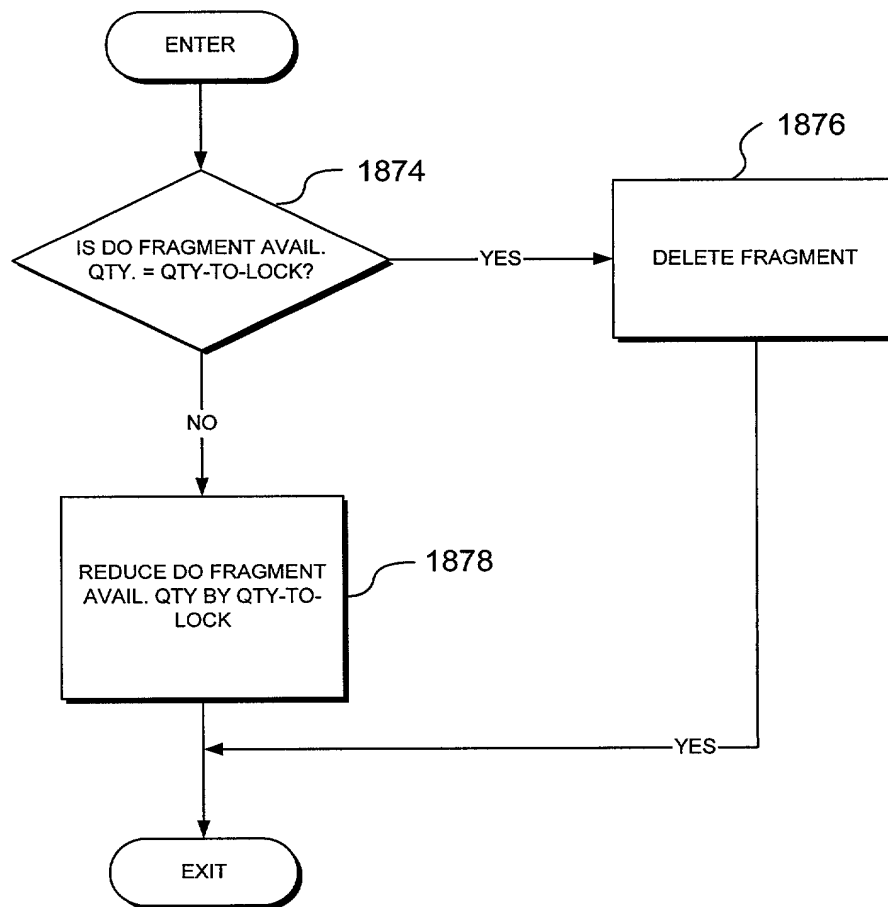


Fig. 18B

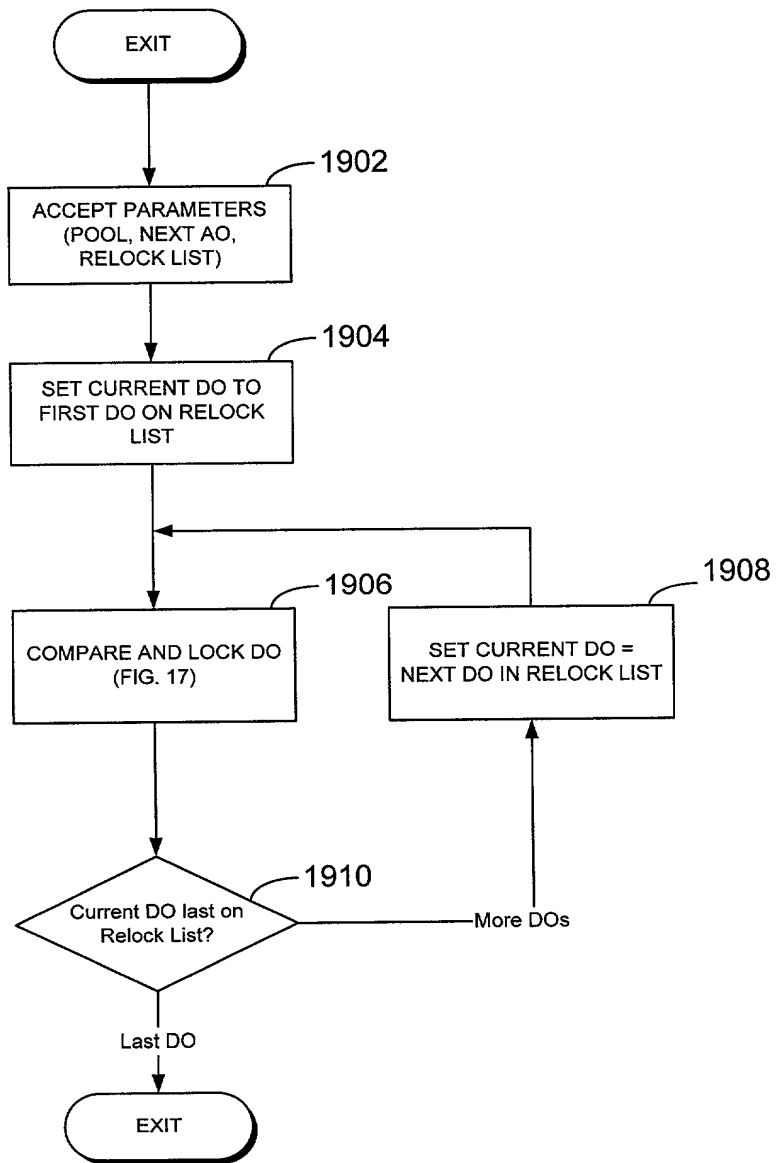


Fig. 19

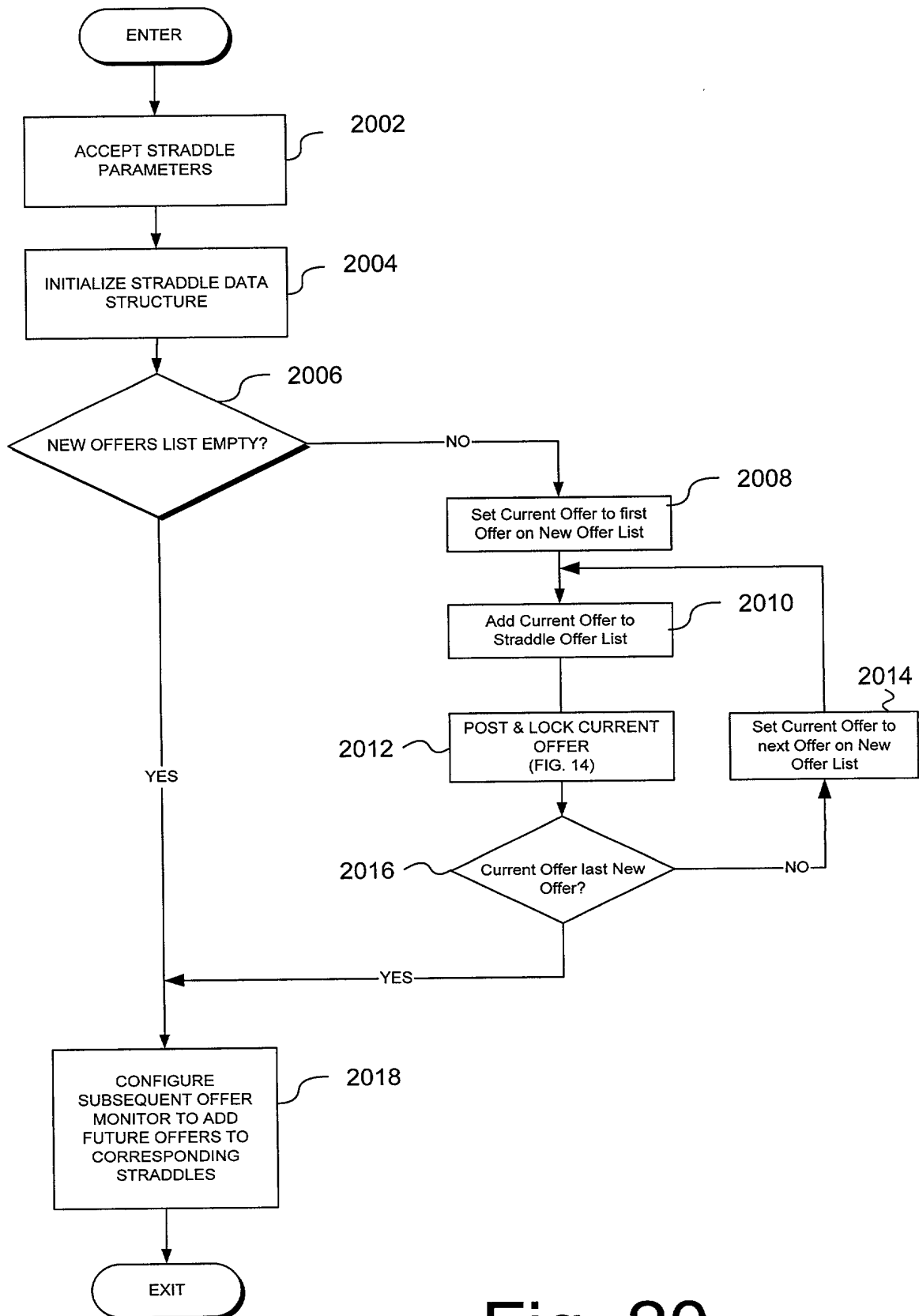


Fig. 20

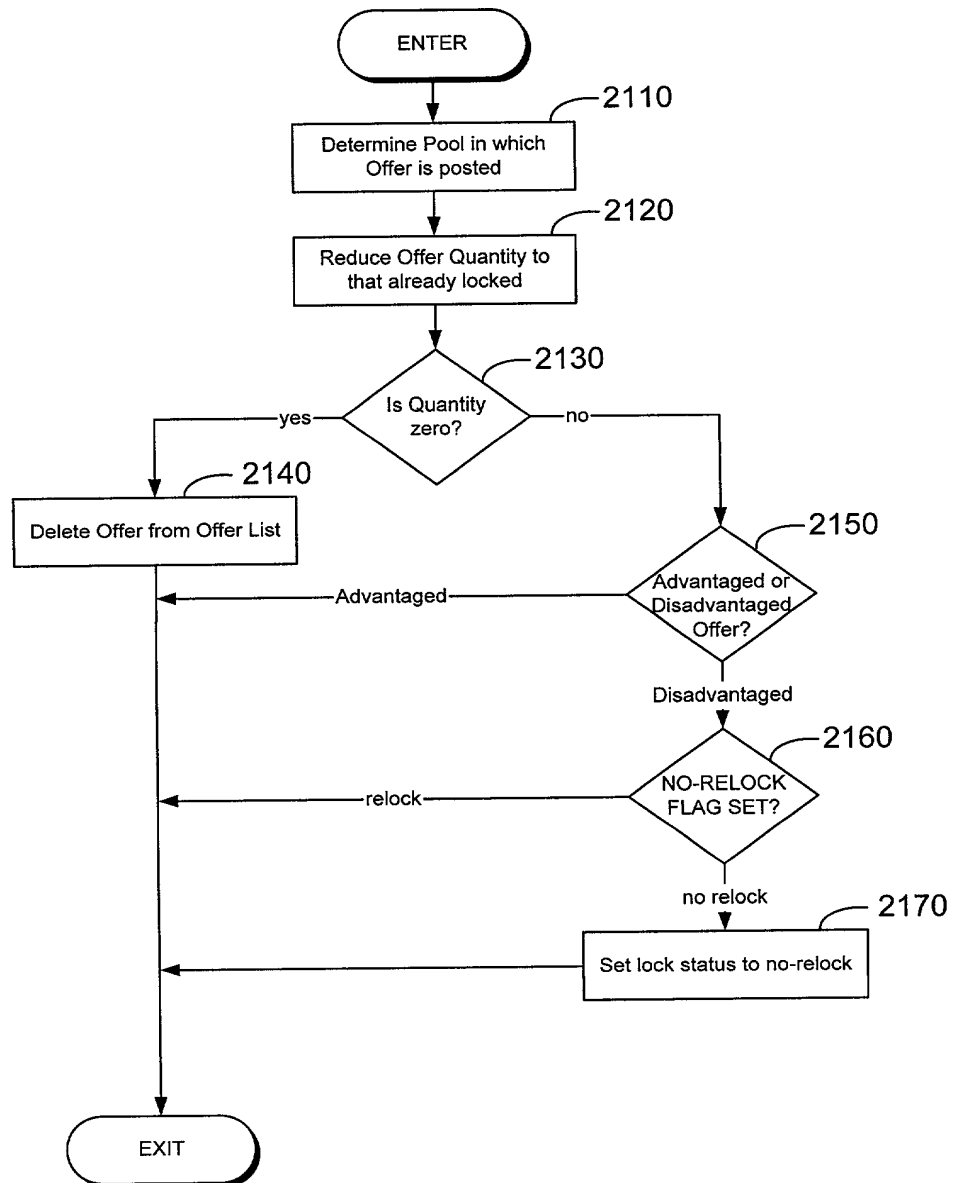


Fig. 21

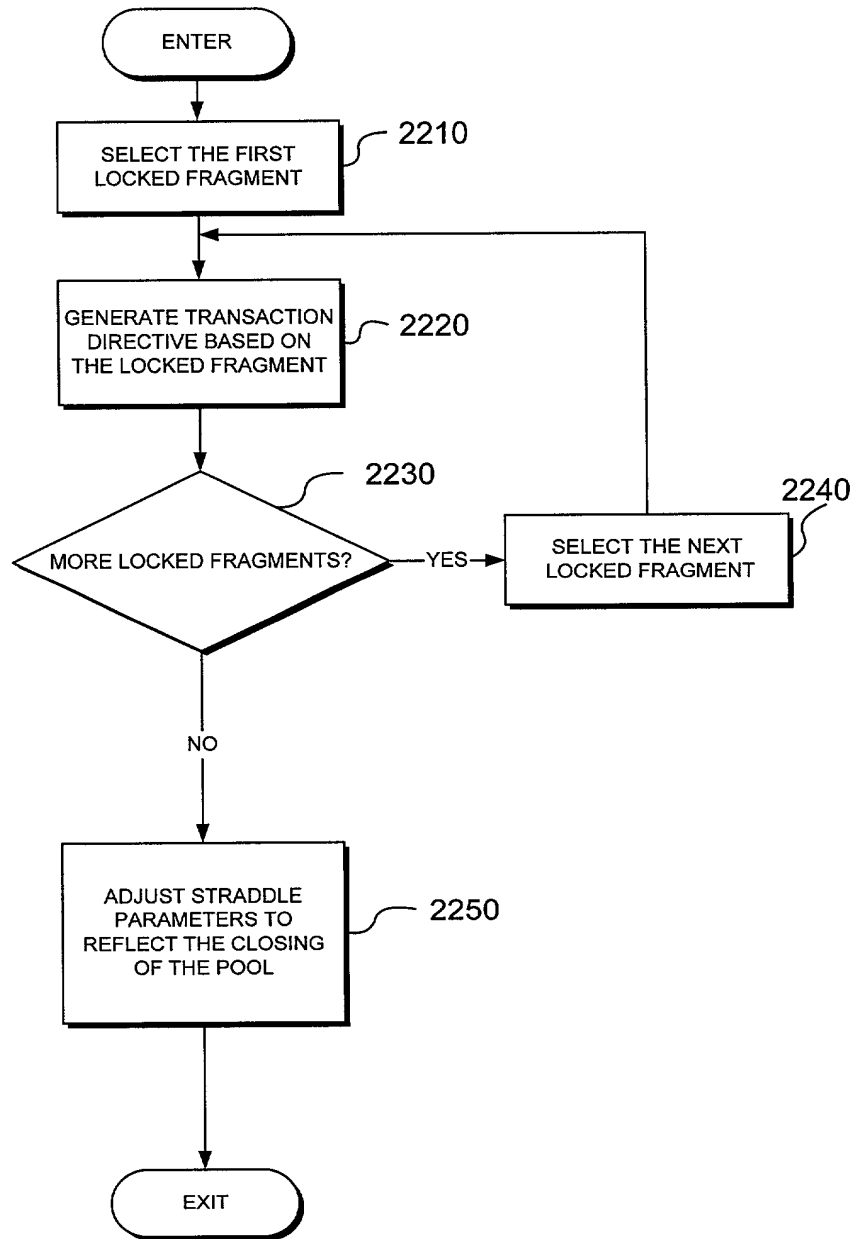


Fig. 22

Postings

1	Disadvantaged Sell Offer X <u>2310</u>			No lock
	Qty locked = 0	Price = 7	Qty min = 2 & max = 8	
2	Advantaged Buy Offer A <u>2320</u>			No lock
	Unlocked	Reserve Price = 10	Qty = 1	
3	Advantaged Buy Offer B <u>2330</u>			Locks A & B
	Unlocked	Reserve Price = 8	Qty = 1	

	Disadvantaged Sell Offer X <u>2310</u>			Status after 3rd posting
	Qty locked = 2	Price = 7	Qty min = 2 & max = 8	
	Advantaged Buy Offer A <u>2320</u>			
	Locked to X	Lock Price = 7	Qty = 1	
	Advantaged Buy Offer B <u>2330</u>			
	Locked to X	Lock Price = 7	Qty = 1	

4	Disadvantaged Sell Offer Y <u>2340</u>			Unlocks & relocks A
	Qty locked = 0	Price = 6	Qty = 1	

Conflict				
	Disadvantaged Sell Offer X <u>2310</u>			Status after 4th posting
	Qty locked = 1	Price = 7	Qty min = 2 & max = 8	
	Advantaged Buy Offer A <u>2320</u>			
	Locked to Y	Lock Price = 6	Qty = 1	
	Advantaged Buy Offer B <u>2330</u>			
	Locked to X	Lock Price = 7	Qty = 1	
	Disadvantaged Sell Offer Y <u>2340</u>			
	Qty locked = 1	Price = 6	Qty = 1	

Fig. 23

Identifiers				2420
Offer ID	Pool ID	Straddle ID		
<u>2422</u>	<u>2424</u>	<u>2426</u>		
Quantities				2440
Min Spec	Max Spec	Avail to Lock	Currently Locked	
<u>2442</u>	<u>2444</u>	<u>2446</u>	<u>2448</u>	
Fragment List				2450
Fragment	Opposite Offer/Frag ID	Lock Status	Lock Price	Quantity
	<u>2452</u>	<u>2454</u>	<u>2456</u>	<u>2458</u>
First	Null	Not Locked	Reserve price A	Qty A
Second	Offer ID B	Locked	Lock Price B	Qty B
Third	Offer ID C	Potential	Lock Price C	Qty C
Fourth	Offer ID D	Do not relock	Lock Price D	Qty D
○	○	○	○	○
○	○	○	○	○
○	○	○	○	○
Last	Offer ID Z	Potential	Lock Price Z	Qty Z

Fig. 24

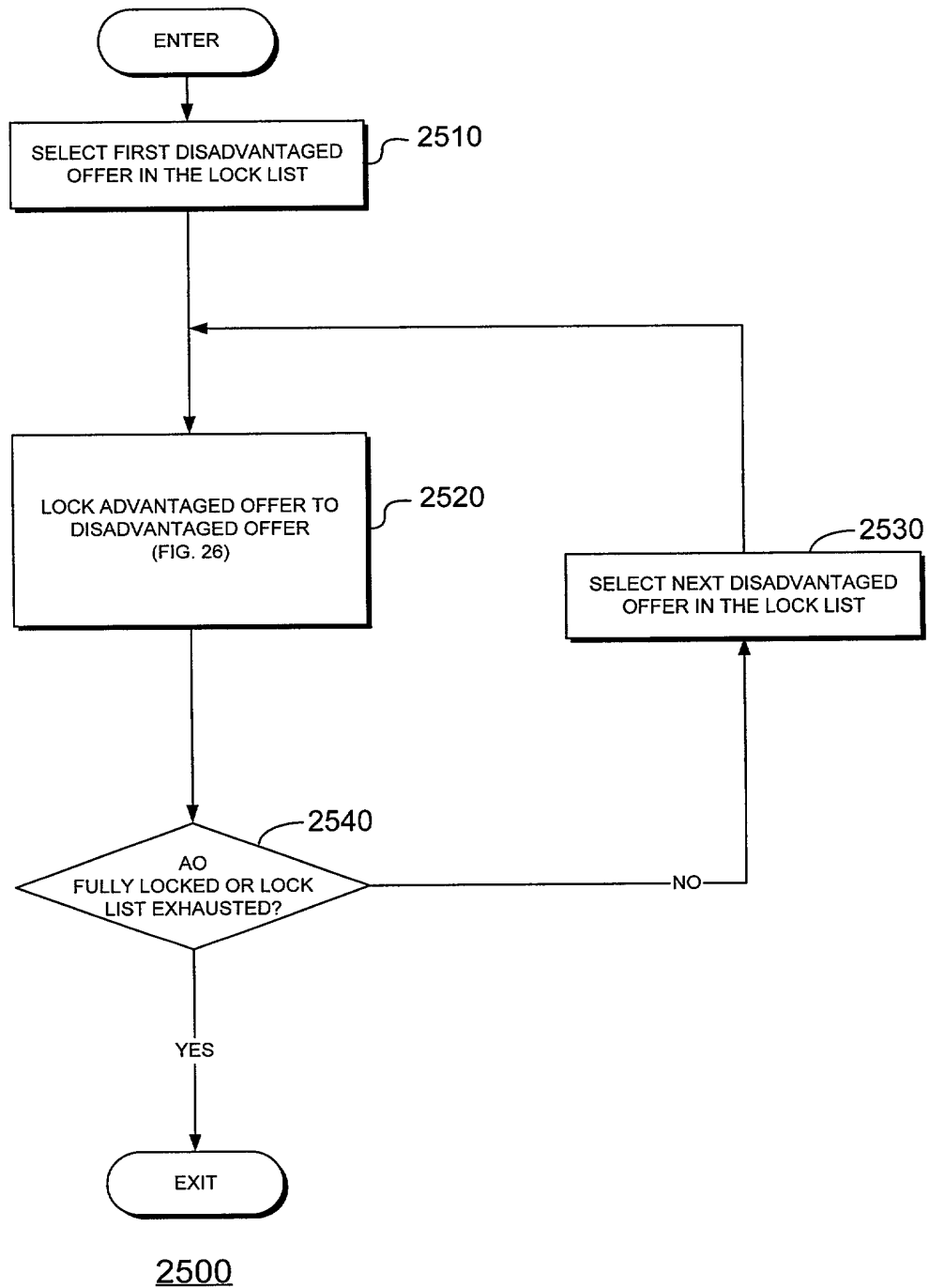


Fig. 25

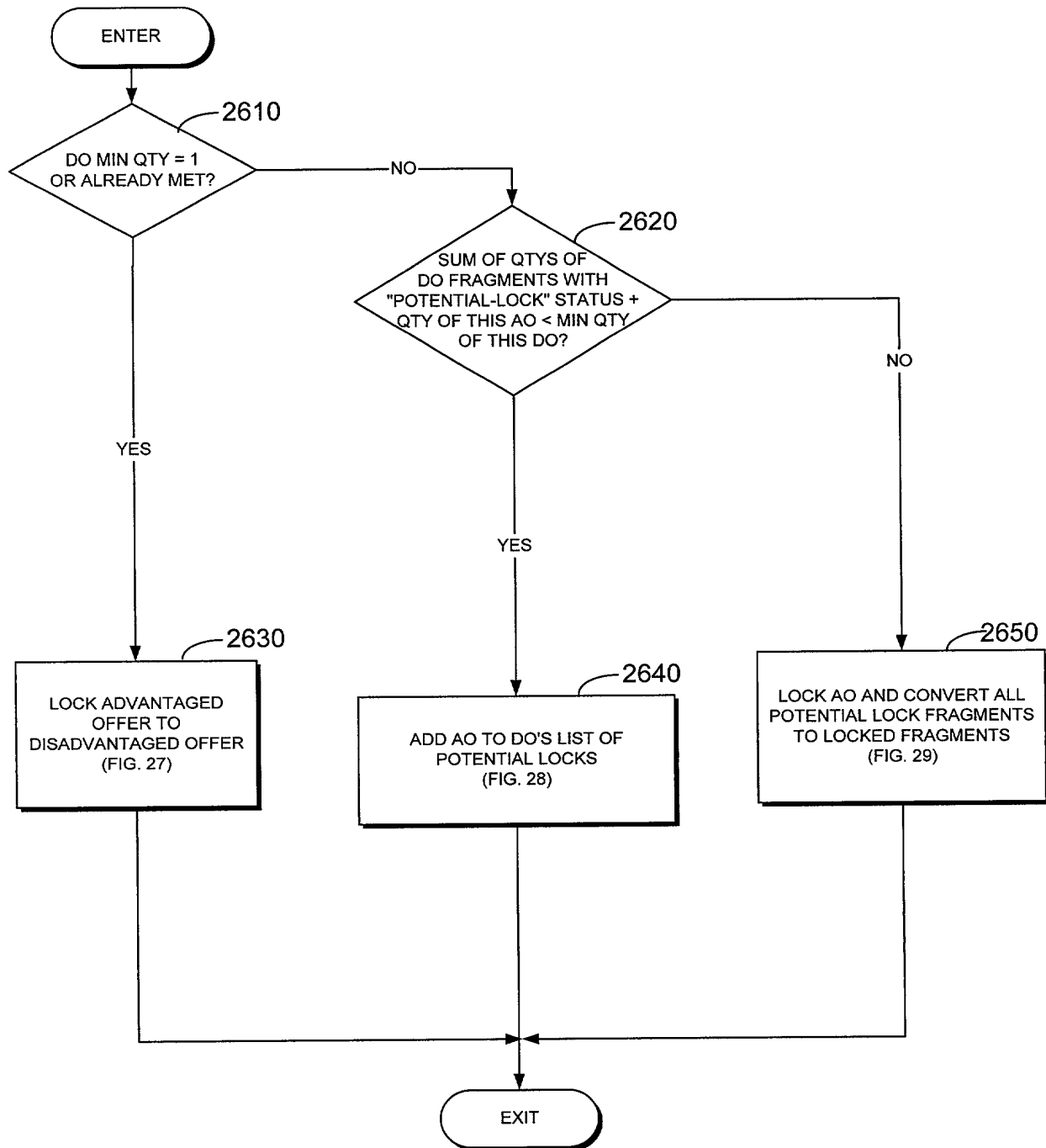


Fig. 26

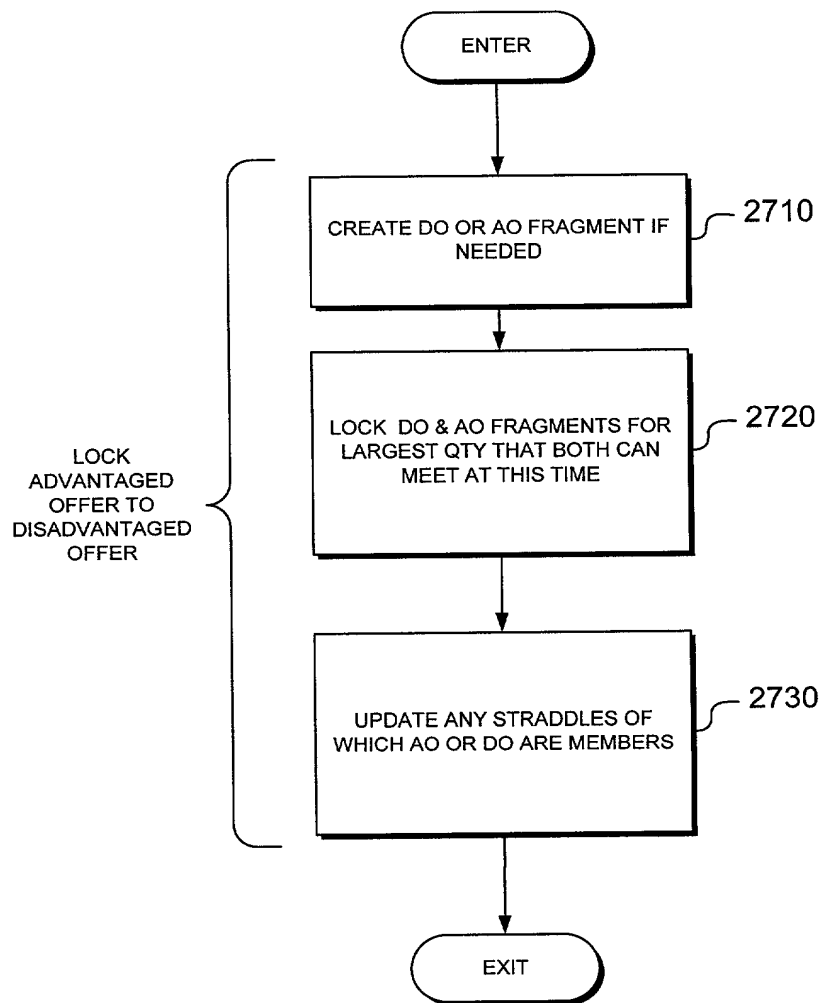


Fig. 27

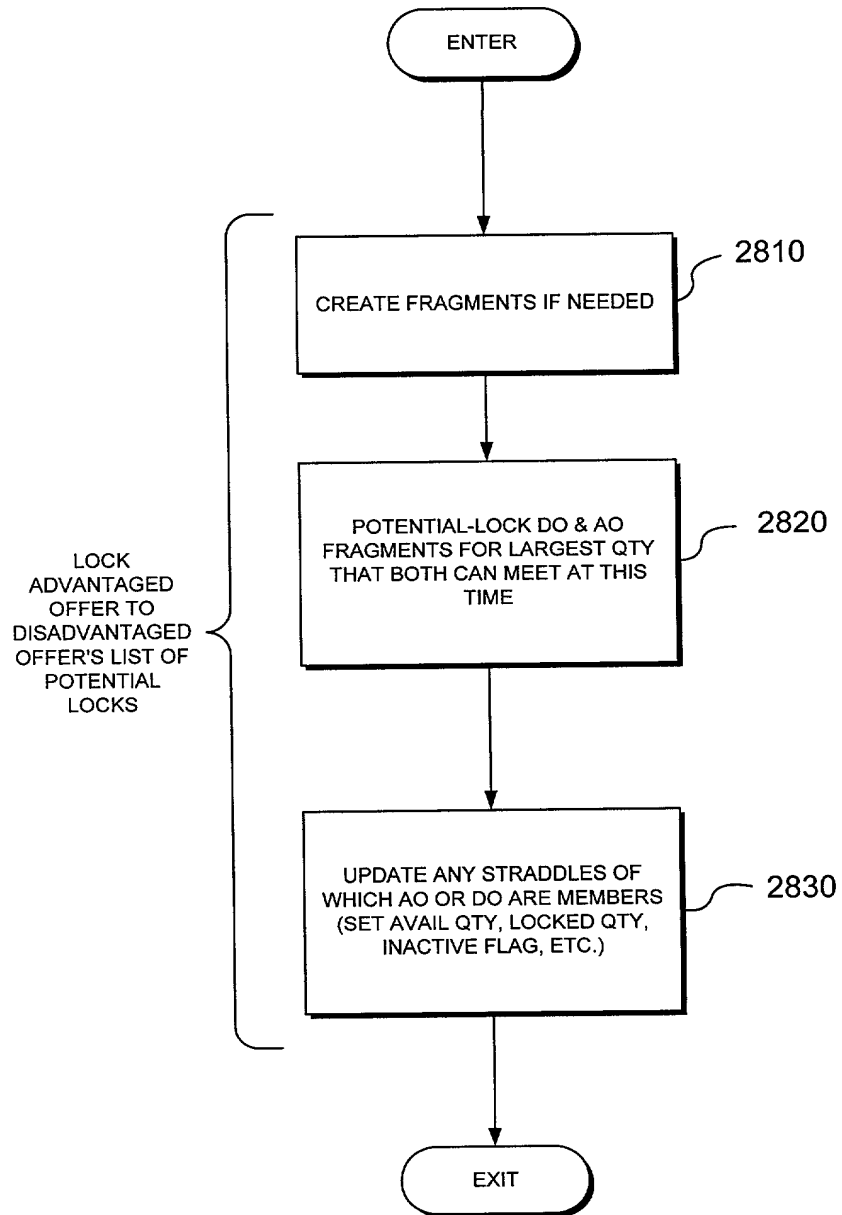


Fig. 28

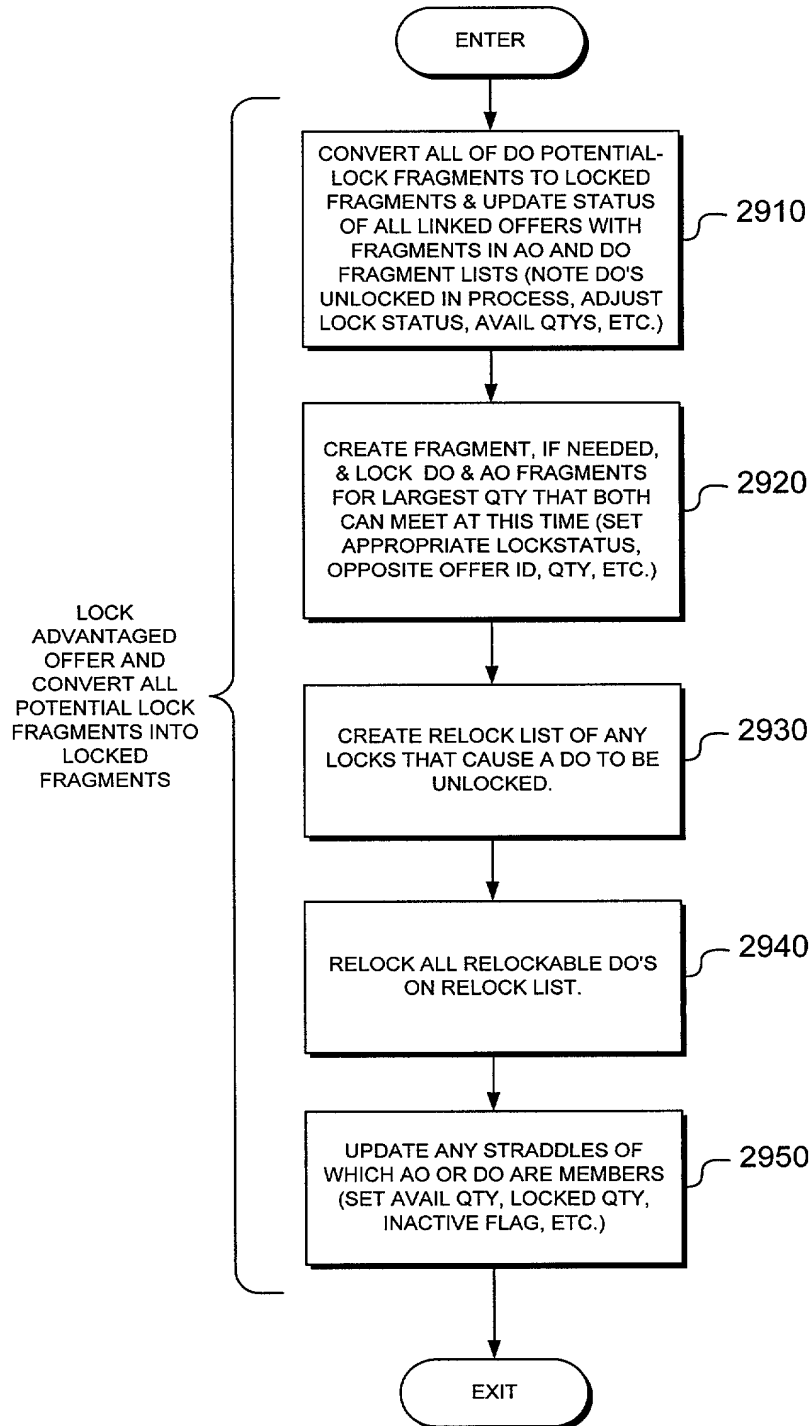


Fig. 29